1-Nonen-3-ol, methyl ether

Inchi: InChI=1S/C10H20O/c1-4-6-7-8-9-10(5-2)11-3/h5,10H,2,4,6-9H2,1,3H3
InchiKey: RSKWWTZKISOAHR-UHFFFAOYSA-N
Formula: C10H20O
SMILES: C=CC(CCCCCC)OC
Mol. weight [g/mol]: 156.27

Physical Properties

Property code	Value	Unit	Source
gf	13.72	kJ/mol	Joback Method
hf	-261.80	kJ/mol	Joback Method
hfus	18.04	kJ/mol	Joback Method
hvap	39.21	kJ/mol	Joback Method
log10ws	-3.06		Crippen Method
logp	3.158		Crippen Method
mcvol	153.330	ml/mol	McGowan Method
pc	2173.43	kPa	Joback Method
rinpol	1122.10		NIST Webbook
tb	446.86	K	Joback Method
tc	616.05	K	Joback Method
tf	207.93	K	Joback Method
vc	0.589	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	325.63	J/mol×K	446.86	Joback Method
cpg	340.29	J/mol×K	475.06	Joback Method
cpg	354.41	J/mol×K	503.26	Joback Method
cpg	368.01	J/mol×K	531.46	Joback Method
cpg	381.10	J/mol×K	559.65	Joback Method
cpg	393.67	J/mol×K	587.85	Joback Method
cpg	405.76	J/mol×K	616.05	Joback Method
dvisc	0.0061809	Pa×s	207.93	Joback Method
dvisc	0.0021823	Pa×s	247.75	Joback Method

dvisc	0.0010280	Pa×s	287.57	Joback Method
dvisc	0.0005816	Pa×s	327.39	Joback Method
dvisc	0.0003723	Pa×s	367.22	Joback Method
dvisc	0.0002600	Pa×s	407.04	Joback Method
dvisc	0.0001936	Pa×s	446.86	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333811&Units=SI

Legend

cpg: Ideal gas heat capacity
dvisc: Dynamic viscosity
gf: Standard Gibbs free energy of formation
hf: Enthalpy of formation at standard conditions
hfus: Enthalpy of fusion at standard conditions
hvap: Enthalpy of vaporization at standard conditions
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
pc: Critical Pressure
rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature
tc: Critical Temperature
tf: Normal melting (fusion) point
vc: Critical Volume